Fluid Phase Equilibria, 32 (1987) 321–322
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

Contents Volume 32 (1987)

Volume 32, No. 1

Density inversions between fluid and solid phases in the system He–H_2 at high pressures
J.A. Schouten and L.C. van den Bergh (Amsterdam, The Netherlands) 1–7
Surface tension of pure and mixed simple substances at low temperatures
V.A.M. Soares, B. de J.V.S. Almeida (Lisbon, Portugal), L.A. McLure and R.A. Higgins (Sheffield, Gt. Britain) 9–16
Liquid–liquid phase equilibria for dearomatisation of ATF fraction
R. Mehrotra, M.O. Garg, S.J. Chopra (New Delhi, India), B.S. Rawat and M.K. Khanna (Dehradun, India) 17–25
Liquid–liquid equilibrium in methanol + gasoline blends
V. Růžička, Jr., R. Frýdocá and J. Novák (Prague, Czechoslovakia) 27–47
Three-liquid-phase equilibria of ternary and quaternary mixtures, water/n-decane/2-butyloxyethanol and water/n-octane/1-propanol/sodium chloride—experimental measurements and their correlation with the UNIQUAC model
Shahin Negahban, G.P. Willhite, S.M. Walas and M.J. Michnick (Lawrence, KS, U.S.A.) 49–61
Mutual solubilities and vapor pressures for binary and ternary aqueous systems containing benzene, toluene, m-xylene, thiophene and pyridine in the region 100–200°C
F.E. Anderson and J.M. Prausnitz (Berkeley, CA, U.S.A.) 63–76
The use of entrainers in modifying the solubility of phenanthrene and benzoic acid in supercritical carbon dioxide and ethane
W.J. Schmitt (Kalamazoo, MI, U.S.A.) and R.C. Reid (Cambridge, MA, U.S.A.) 77–99
Book Review 101

Volume 32, No. 2

The perturbed-soft-chain theory: an equation of state based on the Lennard–Jones potential
W.O. Morris, P. Vimalchand and M.D. Donohue (Baltimore, MD, U.S.A.) .. 103–115
Application of thermodynamic perturbation theory to multicentre Lennard–Jones molecules. Results for CF_4, CCl_4, neo-C_5H_{12} and SF_6 as tetrahedral and octahedral models
R. Lustig (Bochum, F.R.G.) 117–137
Phase equilibrium calculations of highly polar systems
E.H. Benmekki and G.A. Mansoori (Chicago, IL, U.S.A.) 139–150
Liquid–liquid equilibria of the system water + acetic acid + methyl ethyl ketone at several temperatures

0378-3812/86/$03.50 © 1986 Elsevier Science Publishers B.V.

J.M. Correa, A. Arce, A. Blanco and A. Correa (Santiago de Compostela, Spain) 151–162
Excess molar volumes of formic acid + water, acetic acid + water and propionic acid + water systems at 288.15, 298.15 and 308.15 K
A. Apelblat and E. Manzurola (Beer-Sheva, Israel) 163–193
Limiting partial molar volumes at 298.15 K of some open chain and cyclic organic compounds in 1-octanol
P. Berti, S. Cabani and V. Mollica (Pisa, Italy) 195–203
Solvation behaviour of silver(I) iodate in methanol–acetonitrile and ethanol–acetonitrile mixtures
S. Subramanian and C. Kalidas (Madras, India) 205–210

Volume 32, No. 3

A comparative study of thermodynamic properties of n-alkane or cycloalkane mixtures with aliphatic, linear or heterocyclic, molecules containing the same functional groups
M.R. Tiné and H.V. Kehiaian (Paris, France) 211–248
Molar excess enthalpies of *cis*-decalin + benzene, + toluene, + isooctane and + heptane at 298.15 K.
Y. Shiohama, H. Ogawa, S. Murakami and I. Fujihara (Osaka, Japan) 249–260
An experimental study of three- and four-phase equilibria for isopropanol–water–carbon dioxide mixtures at elevated pressures
J.R. Di Andreth and M.E. Paulaitis (Newark, DE, U.S.A.) 261–271
Solubility and vapour pressures in saturated solutions of high-molecular-weight hydrocarbons
U. Domańska, T. Hofman and J. Rolińska (Warsaw, Poland) 273–293
High pressure phase behavior in systems containing CO_2 and heavier compounds with similar vapor pressures
R.S. Mohamed and G.D. Holder (Pittsburgh, PA, U.S.A.) 295–317

Author Index 319

Contents of Volume 32 (1987) 321